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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/825,664	04/16/2004	Jeffrey A. Brown	0236.0001C	8488
25944 7590 05/07/2007 OLIFF & BERRIDGE, PLC P.O. BOX 19928			EXAMINER	
			PHAM, MINH CHAU THI	
ALEXANDRIA, VA 22320			ART UNIT	PAPER NUMBER
			1724	
			MAIL DATE	DELIVERY MODE
			05/07/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summany		Application No.	Applicant(s)			
		10/825,664	BROWN ET AL.			
	Office Action Summary	Examiner	Art Unit			
		Minh-Chau T. Pham	1724			
	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status		·				
2a) <u></u> —	Responsive to communication(s) filed on <u>21 Fe</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, p	•			
Dispositi	on of Claims	•				
 4) Claim(s) 1-40 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-40 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 						
Applicati	on Papers					
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the o Replacement drawing sheet(s) including the correcti The oath or declaration is objected to by the Ex	epted or b) objected to by the drawing(s) be held in abeyance. So ion is required if the drawing(s) is o	ee 37 CFR 1.85(a). bjected to. See 37 CFR 1.121(d).			
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) 🔲 Notice 3) 🔲 Inforn	(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO/SB/08) No(s)/Mail Date	4) Interview Summar Paper No(s)/Mail [5) Notice of Informal 6) Other:	Date			

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Claim Rejections - 35 USC § 102

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1-6, 9-20 and 23-40 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamine (4,071,336).

Yamine teaches a method of filtering a gas flow comprising the steps of receiving the gas flow through a duct or housing containing a filter (68), placing the filter in motion in a direction perpendicular to a direction of motion of the gas flow (74), and impacting particulates matter suspended within the gas flow (74) with the filter (68) as a result of placing the filter (68) in motion wherein upon impact the particulate matter is removed from the gas flow (75) (see details of Fig. 2, col. 3, lines 1-10). Yamine further teaches the air filter element (68) can be in the form of a general planar element such as a fan blade or a fan blade insert (see 68 in Fig. 2), which is clearly a non-fibrous filter.

Claim Rejections - 35 USC § 103

Claims 7, 8, 21 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamine (4,071,336).

Yamine discloses a method of filtering a gas flow comprising the steps of receiving the gas flow through a duct or housing containing a filter (68), placing the filter in motion in a direction perpendicular to a direction of motion of the gas flow (74), and impacting particulates matter suspended within the gas flow (74) with the filter (68) as a result of placing the filter (68) in motion wherein upon impact the particulate matter is removed from the gas flow (75) (see details of Fig. 2, col. 3, lines 1-10). Yamine further

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discloses the air filter element (68) can be in the form of a general planar element such as a fan blade or a fan blade insert (see 68 in Fig. 2), which is clearly a non-fibrous filter. Claims 7, 8, 21 and 22 differ from the disclosure of Yamine in that the method has the step of placing the filter in motion at a speed that is at least one of equal to and greater than, or two to one thousand times greater than, a speed of the filtered air flow scaled by a ratio of a filter pore average width to a filter pore average depth. Regarding to the limitations of claims 7, 8, 21 and 22, the specification contains no disclosure of either the critical nature of these requirements or any unexpected results arising therefrom, and as such these requirements would be arbitrary and therefore obvious. Applicants <u>must</u> show that these requirements are critical. <u>In re Woodruff, 16 USPQ 2d 1934</u>.

Response to Amendment

Applicant's arguments filed on September 6, 2006 have been fully considered but they are not persuasive.

Applicant argues that the cited reference "Tang et al does not teach the air filter in the form of a general planar element such as fan blade and the filter being a non-fibrous filter". The Examiner now drops Tang et al and newly introduces Yamine as the primary reference under the 102(b) rejection to show: Yamine teaches a method of filtering a gas flow comprising the steps of receiving the gas flow through a duct or housing containing a filter (68), placing the filter in motion in a direction perpendicular to a direction of motion of the gas flow (74), and impacting particulates matter suspended within the gas flow (74) with the filter (68) as a result of placing the filter (68) in motion

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wherein upon impact the particulate matter is removed from the gas flow (75) (see details of Fig. 2, col. 3, lines 1-10), as claimed. Yamine further teaches the air filter element (68) can be in the form of a general planar element such as a fan blade or a fan blade insert (see 68 in Fig. 2), which is clearly a non-fibrous filter, as claimed.

Applicant's arguments with respect to claims 1-40 have been considered but are most in view of the new ground(s) of rejection, as discussed above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh-Chau T. Pham whose telephone number is (571) 272-1163. The examiner can normally be reached on Mon/Tues/Thur/Fri 7:00 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duane Smith can be reached on (571) 272-1166. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Minh-Chau Pham Patent Examiner

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